BUI:YKH, Ye.B.; KOLOBOY, Y.M.; SKOTNIKOV, Yu.A.; TIKHOHOVICH, S.S.;
SHEPOVALOV, T.I.; KOMOVALOVA, K.A., redaktor; RCDIONOV, Yu.,
redaktor; LIL'YE, A., tekhnicheskiy redaktor

[Memorable places in Moscow Province] Pamiatnye mesta Moskovskoi
oblasti; kratkii putevoditel'. Isd. 2-e, dop. i perer. Sost. B.B.
Burykh i dr. [Moskwa] Moskovskii rabechii, 1956. 606 p. (NIEA 9:7)

1. Moscow. Oblastnoy krayevedcheskiy musey. 2. Zamestitel' predsedatelya Moskovskogo oblastnogo obshchestva krayevedeniya (for
Konovalova)

(Moscow Province--Historic houses, etc.)

BURYKH, Ye.B.; D'YAKONOV, M.V.; KOLOBOVA, M.I. [decessed]; KOLOBOV, V.M.;
KONOVALOVA, K.A.; PCPANEYKIN, V.I.; SKOTNIKOV, Yu.A.; TIKHONOVICH,
S.S.; SHEPOVALOV, T.I. Prinimali uchastiye YUN'YEVA, H.P.;
POLYAK, Ye.V.: SULTANOVA, H., red.; YAKOVLEVA, Ye., tekhn.red.

[Memorable places in Moscow Province; a concise guidebook] Pamiatnye mesta Moskovskoi oblasti; kratkii putevoditel. Izd.3...
dop. i perer. Sost.E.B.Burykh i dr. Moskva, Mosk.rabochii, 1960.
734 p. (MIRA 14:2)

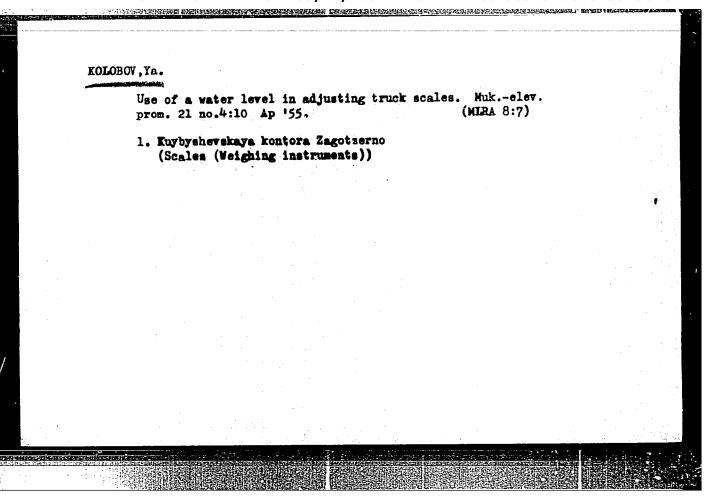
1. Moscow. Oblastnoy krayevedcheskiy musey. 2. Zamestitel\* predsedatelya Moskovskogo oblastnogo obshchestva krayevedeniya (for Konovalova).

(Moscow Province--Guidebooks)

KOLOBOV, V.N.

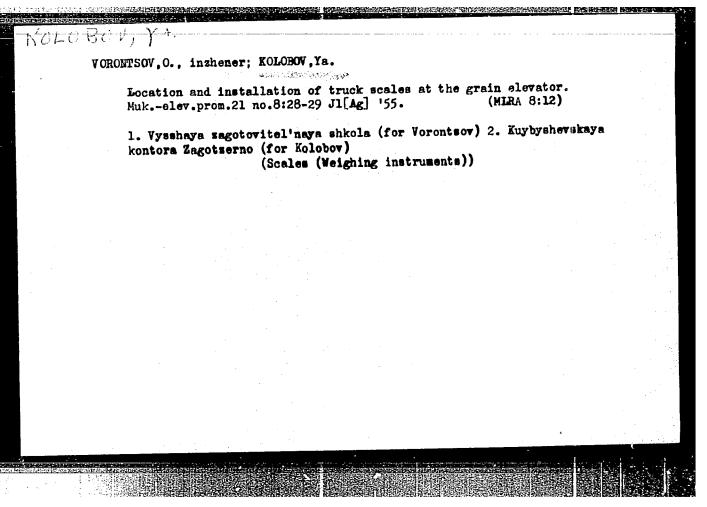
AFCNIN, K.B.; BURTSEV, K.I.; BYSTROV, S.N.; VINETS, G.B.; VODNEY, G.G.; VORONIN, A.S.; GEVLICH, A.S.; GRYAZNOV, N.S.; GUDIM, A.F.; GUSYATINSKIT, N.A.; DVORIN, S.S.; DIDHNKO, V.Ye.; DMITRIYEV, M.M.; DCHDE, M.M.; DCROGOBID, G.M.; ZHDANOV, G.I.; ZAGORUL'KO, A.I.; ZELENETSKIY, A.G.; IVASHCHENKO, YA.Y.; KAFTAN, S.I.; KVASHA, A.S.; KIREYEV, A.D.; KLISHEVSKIY, G.S.; KOZYHRV, V.P.; KOLOBOW, V.H.; LGALOV, K.I.; LEYTES, V.A.; LERNER, B.Z.; LOBODA, N.S.; LUBINETS, I.A.; MANDRYKIN, I.I.; MUSTAFIN, F.A.; NAMIR(WSKIY, N.Kh.; NEFEDOV, V.A.; OBUKHOVSKIY, YA.M.; PRITSEV, M.A.; PETROV, I.D.; PODOROZHANSKIY, M.O.; POPOV, A.P.; RAK, A.I.; REVYAKIN, A.A.; ROZHKOV, A.P.; ROZENGAUZ, D.A.; SAZONOV, S.A.; SIGALOV, M.B.; STOMAKHIN, YA.B.; TARASOV, S.A.; FILIPPOV, B.S.; FRIDMAN, N.K.; FRISHBERG, V.D.; KHAR'KOV-SKIY, K.V.; KHOLOPTSRV, V.P.; TSAREV, M.N.; TSOGLIN, M.E.; CHERNYY, I.I.

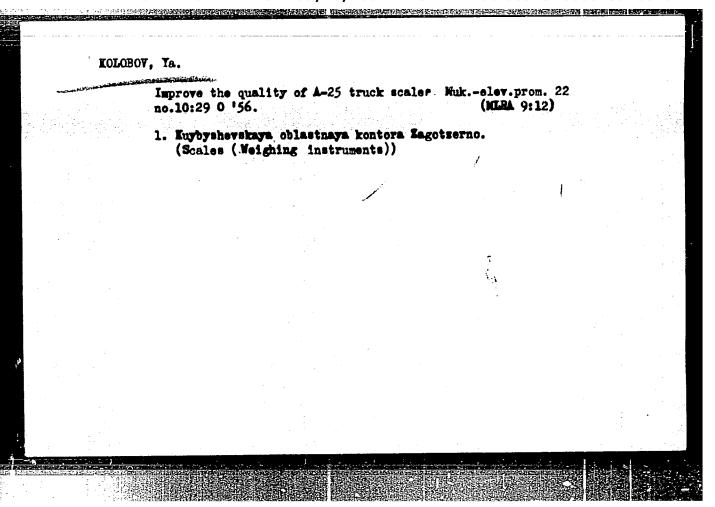
Samuil Berisevich Bamme. Keks i khim.ne.6:64 '56. (MLRA 9:10) (Bamme, Samuil Berisevich, 1910-1956)



Improve the quality of spare parts for grain testers. Muk.—elev. pros. 21 no.5:30-31 My '55. (MIRA 8:9)'

1. Kuybyshevskaya kontora Zagotserno. (Grain elevators—Equipment and supplies)

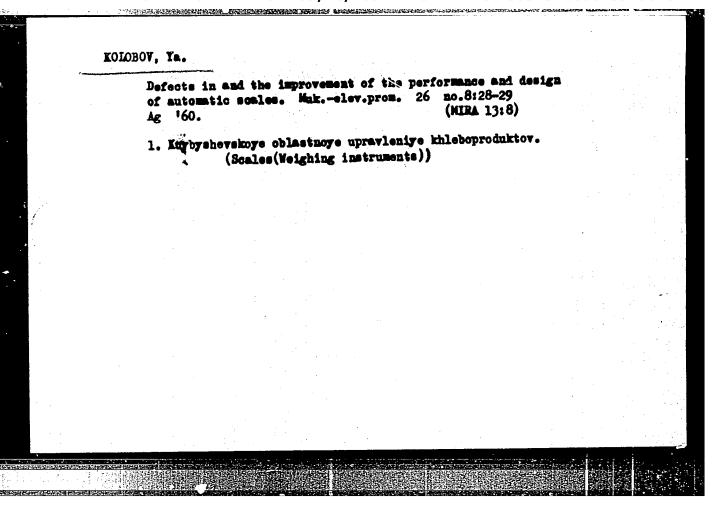




KOLOBOV, Ya., ingh.

Using frames for laying truck scale foundations. Muk. elev. pros. (MIRA 11:2)

1. Kuybyshevskoye oblastnoye upravleniye khleboproduktov. (Foundations) (Scales (Weighing instruments))



ALYAR'YEV, V.I.; KOLOBOV, Ye.A.; LEBEDEVA, V.V.; MASHIN, G.K.; NEKRASOV, R.M.; KARAVASHKIN, S.I., red.

[Cableways for partial aerial skidding and loading of tree-length logs in mountain felling areas] Trosovye ustanovki dlia polupodvesnoi trelevki i pogruzki khlystow v gornykh lesosekakh. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 46 p. (MIRA 17:9)

5.3830

80223 \$/076/60/034/04/03/042 B010/B009

AUTHOR:

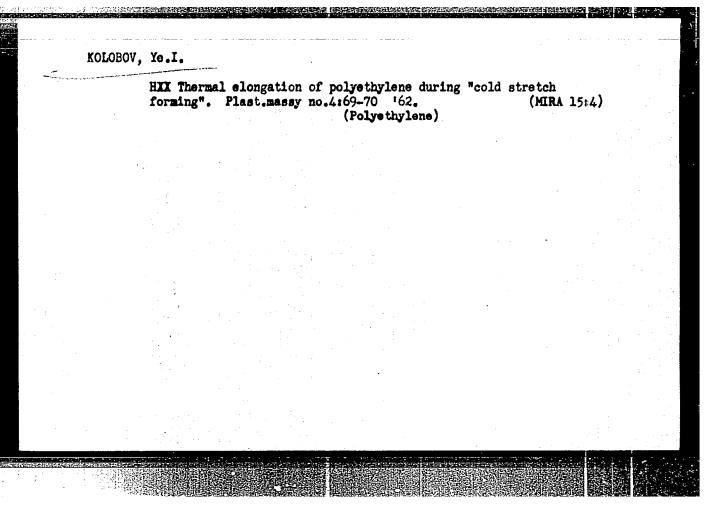
Kolobov, Ye. I. (Moscow)

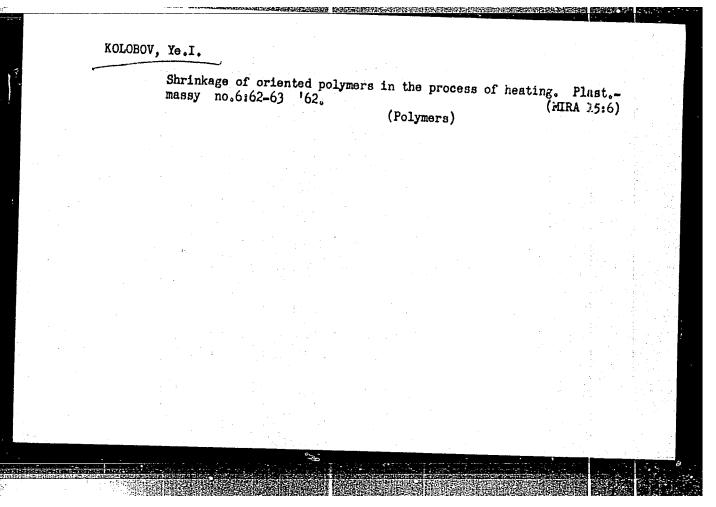
TITLE:

On the Structure of Crystalline Polymers

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 4, pp. 716-725

TEXT: In order to clarify the distribution character of the amorphous and oriented areas in a crystalline polymer the thermomechanical properties of such polymers were investigated in the isotropic and oriented states. Furthermore, the thermal elongations of polymer films with varying degrees of orientation were determined. The results obtained were interpreted in the light of the data of X-ray structural analyses found in the paper by Bunn and Alcock (Ref. 5). The elastic-static elongation of the polymer films was carried out on a dynamometric balance (Fig. 1). Polymers of different polarities were examined: of the apolar polymers-polyethylene, guttapercha, and Teflon; of the weakly polar ones -- polychlorotrifluoroethlyene, and the highly polar polymer-kapron. Comparative investigations were made on the amorphous polymers, polymethylmethacrylate and polystyrene. The thermal elongations in the direction of the crystal orientation were determined by means of a special device (Fig. 10) in Card 1/2





KOLOBOV, Ye. M.

Kolobov, Ye. M. -- "Frost Resistance of Cement Used In Hydraulic Work." Cand Tech Sci, Moscow Chemicotechnological Inst, Moscow 1953. (Referativnyy Zhurnal--Khimiya, No 1, Jan 54)

So: SUM 168, 22 July 1954

KOLOBOU, YEM

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.

Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62361

Author: Butt, Yu. M., Kolobov, Ye. M.

Institution: None

Title: Dependence of Cement Contraction Upon Its Mineralogical Composition

Original

Periodical: Zh. prikl. khimii, 1956, 29, No 3, 468-470

Abstract: To establish a comparative qualitative contraction characteristic of

the principal minerals of the clinker, tests were carried out with 4 cements prepared in the laboratory, each of which was characterized by predominance of some one mineral, and which approximated by their composition the single-mineral cements (alite, belite, aluminate, and alumoferrite). For comparison were tested laboratory ground cements from clinker of "Gigant" and "Komsomolets" cement plants. The experiments showed that the flux-minerals exhibit a much greater contraction effect than the silicate-minerals. On

Card 1/2

KOLOBOLYE. M.

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.

Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62360

Author: Butt, Yu. M., Kolobov, Ye. M.

Institution: None

Title: Surface Strength of Cement Stone and Its Use as Frost-Resistance

Characteristic

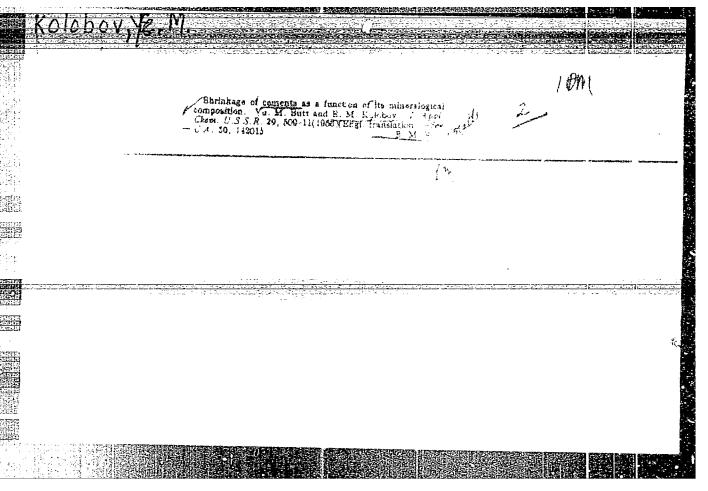
Original

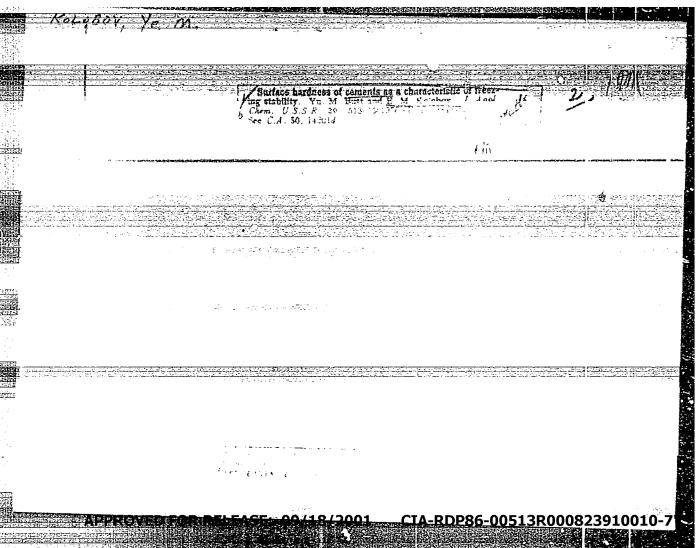
Periodical: Zh. prikl. khimii, 1956, 29, No 3, 470-473

Abstract: On determination of compression strength of cube specimens the sta-

bility of the entire structure of the specimen is tested since the load stress is taken up by the entire volume of the cube. Frost corrosion on the other hand affects first the corners then the edges and on the whole surface layers of all sides to a certain depth. Decrease in strength within these surface layers becomes distributed over the entire specimen which explains why evaluation of frost resistance from changes in compression strength is of

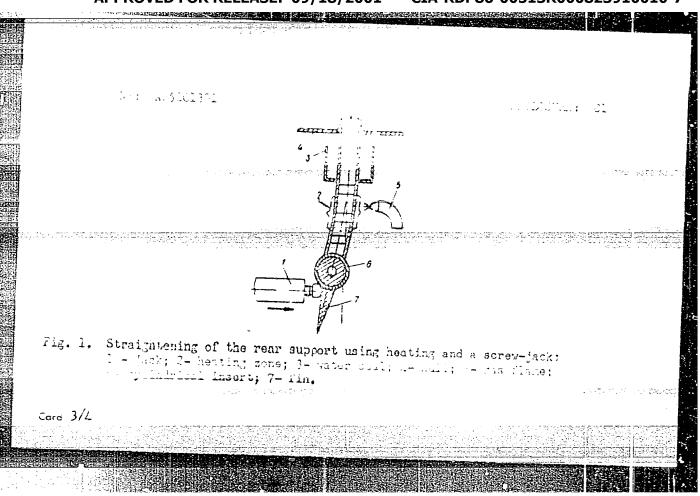
Card 1/2



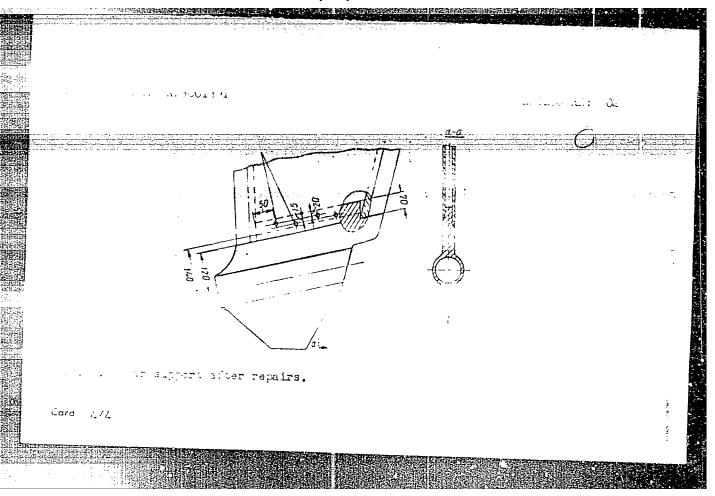


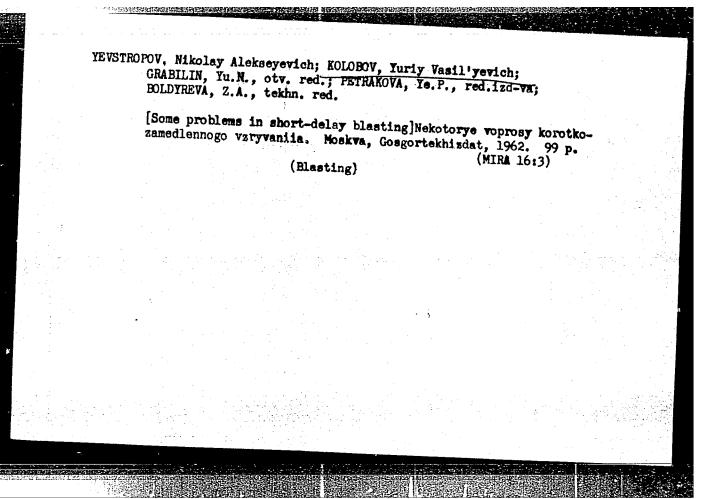
2 00300-65 ANG/EWT(d)/FBD/EWT(1)/FBO/EEC(k)-2/EWG(s)-2/T38/EWF(c) 1000-65 (SC)-2/F38/EWF(d)/FBO/EWT(1)/FBO/EEC(k)-2/EWG(s)-2/T38/EWF(c) 1000-65 (SC)-2/F38/EWF(d)/FBO/EWT(l)/FBO/EEC(k)-2/EWG(s)-2/F38/EWF(c)-2/F38/E	•
Pankov, Yu. (Engineer): Pankov, Ye. (Engineer): Carrotter,	1. (Entinese)
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SOURCE: Rechnoy transport, no. 9, 1964, 30-33	ann gard eardd 170 chesaster
TOPIC 'MCS: ship, repair welding, ship repair / "Rocket 76" ship,	
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## KOLOBOVA, A.N.

KULURAINA

Quantitative fluctuations of the alfalfa bug [Adelphocoris lineolatus Goese] in relation to changes in meteorological conditions. Zool.zhur. 32 no.3:449-456 My-Je \*53. (MLRA 6:6)

1. Ukrainskiy filial Vsesoyusnogo nauchno-issledovatel'skogo instituta kormov imeni V.R. Vil'yamsa, (Poltava). (Alfalfa-Diseases and pests)

KCLUBOVA, A. N.

USSR/Special and General Zoology - Insects.

Abs Jour

0-3

Author

: Referat Zhur - Biologiya, No 16, 1957, 69836

Inst

: Kolobova, A.N.

Title

: Brief Survey of Works on Entomology.

Orig Pub

: Kiev, Gossel'khosisdat UkssR, 1956, 120-134

Abstract

: No abstract.

Card 1/1

-KOLOBOVA, A.N.

ÁPPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823910010-7"

USSR / General and Specialized Zoology. Insets. Insect and Mite Posts.

Abs Jour

! Ref Zhur 4 Biol., No 10, 1958, No 44761

Author Inst

: Kolobova, A. N.

: Not Given

Titke

: The Entomological Pest Fauna of Perennial Grain Grassos in the Forest Stoppe of the Ukraine.

Orig Pub

: Vestn. s. kh. nauki, 1957, No. 1, 132-138

Abstract

: Sixty species of insect posts were found on perennial grain grasses in 1945-1952, (42 of then damaged cereals). The Hessian and Swedish flies were the most dangerous pests to young stalk shoots and leaves. The Hessian fly seriously injured slender wheat grass (Agropyrum tenerum), (especially whon planted wih alfalfa), less often wheat grass and rarely harned neadow fescue.

Card 1/3

USSR / General and Specialized Zoology. Insects. Insect and Mite pests.

P

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44761

The Swedish fly seriously injured wheat grass, less often quack grass and pasture ryegrass, and least of all fescue grass. Moromyza saltatrix L. and the flea beetle chacteenems hortensis Geoffr. Wrought considerable damage. The stemmoth (Censoncheimeria taurella Sci.) and the grain mite, among the pests of the reproductiorgans, damaged all species of grass in crop rotation; the grain cutworm meth damaged brome grass and fescue, timethy thrips damaged 21.8—55.4% of the timethy seeds. The weevils Sphenophorus striatopunctatus and the spike flies of the genus Amauresoma greatly damaged timethy grass. Injuries by the jumping plant lice (especially to couch grass and wheat grass), by the

Card 2/3

12

BATIASHVILI, I.D.; REY-BIYENKO, G.Ye.; BOGDANOV-KAT'KOV, N.N.; GERASIMOV, B.A.; GILYAROV, M.S.; DMITRIYEV, G.V.; ZVEREZOMB-ZUBOVSKIY, Ye.V.; ZIMIN, L.S.; KOLOBOVA, A.N.; MEDVEDEV, S.I.; MISHCHENKO, A.I.; PETROV, A.I.; RYABOV, M.A.; SAVZDARG, E.E.; SELIVANOVA, S.N.; SKORIKOVA, O.A.; TROPKINA, M.F.; SHAPOSHNIKOV, G.Kh.; SHCHEGOLEV, V.N., prof., doktor sel'skokhoz.nauk; ESTERBERG, L.K.; YAKHONTOV, V.V.; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Classification of insects on the basis of damage to crops] Opredelitel' nasekomykh po povreshdeniiam kul'turnykh rastenii. Izd.4, perer. i dop. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 607 p.

(Insects, Injurious and beneficial)

L 21,123-66 ENT(d)/ENT(1)/EEC(k)-2/FCC/EWA(h) GN/NS-2
ACC NR, AP6006673

SOURCE CODE: UR/0203/66/006/001/0151/0153

AUTHOR: Kolobova, A. P.; Rapoport, Z. Ts.

ORG: Kol'skiy Branch, Polar Geophysics Institute, AN SSSR (Polyarnyy geofizicheskiy institut, Kol'skogo filiala AN SSSR)

TITIE: Long-range propagation of ultrashort waves by ionospheric scattering in the subpolar zone and the state of ionosphere

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 1, 1966, 151-153

TOPIC TAGS: radio wave propagation, radio wave scattering, ionospheric scatter, radio transmitter, radio antenna, RC circuit, E layer, F layer

ABSTRACT: An experimental investigation of the long-range propagation of ultrashort radio waves by scattering in the ionosphere was conducted between Leningrad and Murmansk in 1962. The 30-kw transmitter was located in the Leningrad area with the receiving point at Murmansk. Rhombic antennas with radiation patterns in the vertical and horizontal planes of 12-15° at the half-power points were used. The angle of elevation above the horizon of maximum antenna directivity was 8°. The studies were conducted at 38.1 Mc. Changes in the level of received signals were smoothed out by an RC circuit with a time constant of approximately 4.4 sec. A vertical ionospheric probing station (f = 1.0-14.0 Mc) was located near the midpoint of the path for correlating signal propagation with ionospheric conditions prevailing in the scattering

Card 1/5

UDC: 550.388.2

L 21123-66

ACC NR: AP6006672

region. Fig. 1 shows hourly variations of signal levels both at 38.1 Mc and at fmin (recorded at the ionospheric station) for 26 October 1962 (Moscow time).

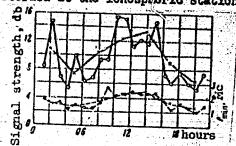
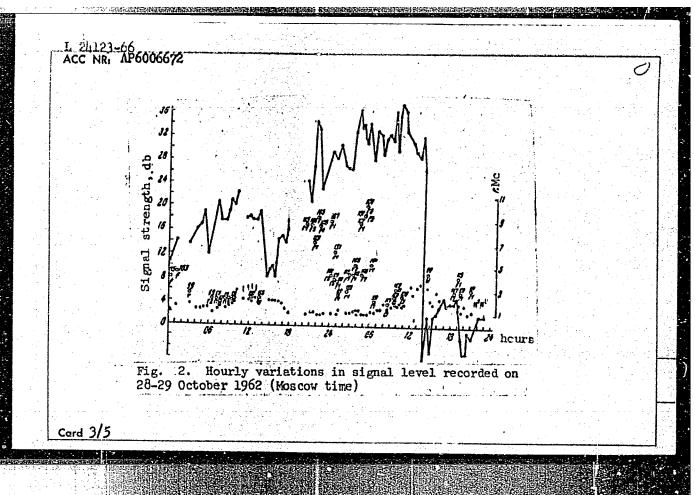


Fig. 1. Hourly variations in signal level at 38.1 Mc and fmin recorded on 26 October 1962 (Moscow time)

Cophasal variations in f<sub>min</sub> and the signal level are attributed to an increase in the inhomogeneity of the D layer, which in turn is responsible for increased signal strength. Data obtained on 28-29 October 1962 (Moscow time) are plotted in Fig. 2. The solid curve represents variations in the signal level (f = 38.1 Mc), the dots, f<sub>min</sub>, and the circles, ffg. The type and height of the E<sub>S</sub> layer are included with each circle. Designation N<sup>K</sup> signifies the absence of reflections at the ionospheric station due to unknown causes. The sporadic E layer was observed almost continuously during the two-day period. Variations in signal level failed to coincide with variations.

Card 2/5



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L 21.123-66 ACC NR: AP6006672

of  $f_{min}$ . However, a sharp rise in the signal level, after 1800 hours on 28 October, coincided with a sharp increase in the critical frequency of the  $E_{\rm S}$  layer, and a sharp drop in the signal level, observed between 1300 and 1400 hours on 29 October, coincided with the disappearance of the F1 layer.

The possibility that inhomogeneities in the lower region of the F layer have some effect on signal strength, even at such a relatively short distance as Leningrad-Murmansk, is not entirely discounted. However, no clear connection was established between fE<sub>S</sub> or f<sub>min</sub> on the one hand and the intensity of ultrashort-wave signals on the other. At the same time, a definite link was established between the signal strength and ionospheric parameters.

If the  $E_s$  layer is absent, or if  $fE_s$  is low ( $\lesssim 3$  Mc) and the layer itself is not observed systematically, then inhomogeneities in the absorption region (h  $\sim 65-90$  km) apparently play a major role in signal formation at the receiving point. Moreover, when  $E_s$  is observed continuously and when its critical frequency attains high values ( $fE_s > 7$  Mc), the signal strength is determined either by inhomogeneities in the E region (h  $\sim 100$  km) or by

Card 4/5

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26516-66 EWI(m)/EWP(j) RM ACC NR. AP6017884 SOURCE CODE: UR/0062/66/000/005/0944/0944 AUTHOR: Nesmeyanov, A. N.; Kursanov, D. N.; Setkina, V. N.; Kislyakova, N.V.; Kolobova, D. N.; Anisimov, K. N. Institute of Organometallic Compounds, Academy of Sciences, SSSR (Institut ORG: elementoorganicheskikh soyedineniy Akademii nauk SSSR) TITIE: Isotopic exchange of hydrogen atoms of manganese cyclopentadienyltricarbonyl and rhenium cyclopentadienyltricarbonyl in alkalino media SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 944 TOPIC TAGS: hydrogen, manganese compound, rhenium compound, deuterium, isotope, isotopie exchange ABSTRACT: The authors found that manganese cyclopentadienyltricarbonyl (MCT) and rhenium cyclopentadienyltricarbonyl (RCT) enter into the reaction of isotopic exchange of hydrogen under the influence of alkali catalysts. For example, all the hydrogen atoms of the cyclopentadienyl rings of MCT and RCT are exchanged for deuterium in the reaction with deuteroethanol in the presence of sodium alcoholate. The kinetics of this reaction were studied at 100°C at molar ratios MCT or RCT:C2H5OD:C2H5ONa = 1: 120:9.5. The rate constants of hydrogen exchange under these conditions are 3 x 10<sup>-6</sup> sec<sup>-1</sup> and 80 x 10<sup>-6</sup> sec<sup>-1</sup> for MCT and RCT respectively, i.e., the relative reactivity of the cyclopentadienyl rings of the rhenium derivative is almost 27 times that of UEC: 547.1'3 + 541.127 + 539.183.2 + 661.183.123 1/2 Card

the cyclopentadienyl derivative of manganese. The opposite relationship is observed in acid catalysis, and the exchange capacity of the hydrogen atoms in the cyclopentadienyl rings linked to manganese is higher than in the rhenium compounds. It is concluded that on passing from Mn (an element of period 4) to Re (period 6) of group VII of the periodic system, the reactivity of cyclopentadienyl ligands in acid media decreases, whereas in alkaline media the opposite is observed.						lopenta-
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Science:

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Supers presented at the EXVI Congress of Surgices of the USER, Moscow, 20 - 27 January 1955, included:

Twanty Years' Experience of Surgical Treatment of Chronic Lung Suppurations.

B. E. LINBERG and G. A. KOLOBOVA

SCIECE:

A. LOUIS (Official Publication) Unclassified.

ACC NR AP7003146

SOURCE CODE: UR/0368/66/005/006/0706/0711

AUTHOR: Preobrazhenskiy, N. G.; Kolobova, G. A.; Terpugova, N. S.

ORG: none

TITLE: Theory of quantitative spectrum analysis with a laser excitation source

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 6, 1966, 706-711

TOPIC TAGS: laser application, spectrum analysis, quantitative analysis, optic

ABSTRACT: The extensive inhomogeneity and considerable optical density characteristic of the luminous layer produced by using a laser to heat a specimen make conventional methods for recording the integral line intensity unsuitable. The spectral region separating the self-reversed maxima is preferable as a measure of the concentration of the element in question. The paper contains a theoretical study of the dependence of the above spectral region on the optical thickness of the emitting layer under various conditions of spectrum excitation. Orig. art. has: 19 formulas and 2 figures. [Authors' abstract]

SUB CODE: 20/SUBM DATE: 26Jul65/ORIG REF: 007/OTH REF: 006/ UDC: 543, 42

- 1. ALEKSEYEVA, T. B.; ASIKENAZI, YE. S.; ZANCSACHIKOV, A. P.; KOLOHOVA, G. V.; CITSOVSKAYA, A. I.
- 2. USSR (600)
- 4. Paper Industry
- 7. Effect of the degree of polymerization of pulp on its characteristics in the nollander process. Sum. prom. 27, No. 7, 1952

July 1

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

KOLOBOVA, G. V.

N. A. Afonchikov, G. V. Kolobova, P. N. Mikhaylov, and M. G. Voronkov, "Their Application for Glueing Paper."

Report presented at the Second All-Union Conference on the Chemistry and Practical Application of Silicon-Organic Compounds held in Leningrad from 25-27 September 1958.

Zhurnal prikladnoy khimii, 1959, Nr 1, pp 238-240 (USSR)

SOV/80-32-2-42/56

AUTHORS:

Afonchikov, N.A., Kolobova, G.V., Mikhaylov, P.N., Voronkov, M.G.

TITLE:

The Application of Silicon-Organic Compounds for the Gluing of Paper (Primeneniye kremneorganicheskikh soyedineniy dlya

prokleyki bumagi)

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2,

pp 445-446 (USSR)

ABSTRACT:

Silicon-organic compounds were used a) for treating the finished paper with vapors of methyltrichlorosilane; b) for impregnating the paper by these compounds; c) for gluing the paper mass by such substances. The last procedure shows the best results. The compound MN-1 (CH3SiHO)n is most efficient. Thermal processing of the finished paper is necessary, however, in order to obtain a great depth of gluing. If certain catalysts are used, e.g. lead or zinc acetate, triethanolamine, etc, thermal processing is not necessary. The catalyst is also added to the paper mass where it has the best effect. Professor B.N. Dolgov is mentioned in the article.

Card 1/2

There is 1 table.

SOV/80-32-2-42/56

The Application of Silicon-Organic Compounds for the Gluing of Paper

ASSOCIATION: Fabrika "Goznak" i institut khimii silikatov AN SSSR (Factory

"Goznak" and the Institute of the Chemistry of Silicates of

the USSR Academy of Sciences)

SUBMITTED: April 22, 1958

Card 2/2

8/661/61/000/006/076/081 D287/D302

Afonchikov, N. A., Kolobova, G. V., Mikhaylov, P. N. AUTHORS:

and Voronkov, M. G.

The use of organosilicon compounds in paper-sizing TITLE:

Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. SOURCE:

。 1914年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,19

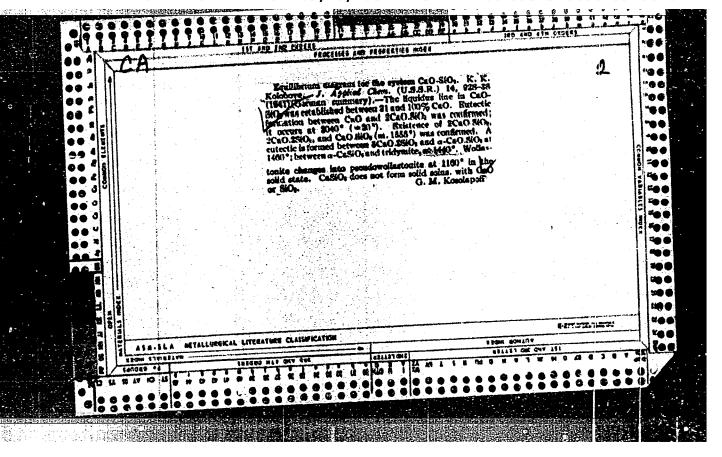
kremneorg. soyed., Len. 1958, Leningrad, Izd-vo AN SSSR,

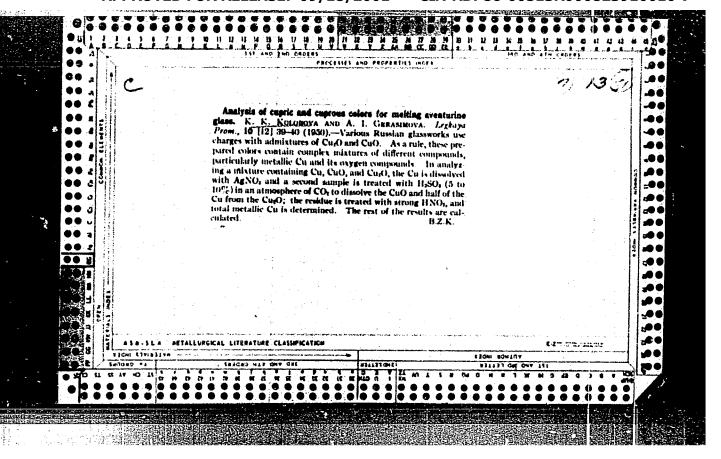
1961, 336

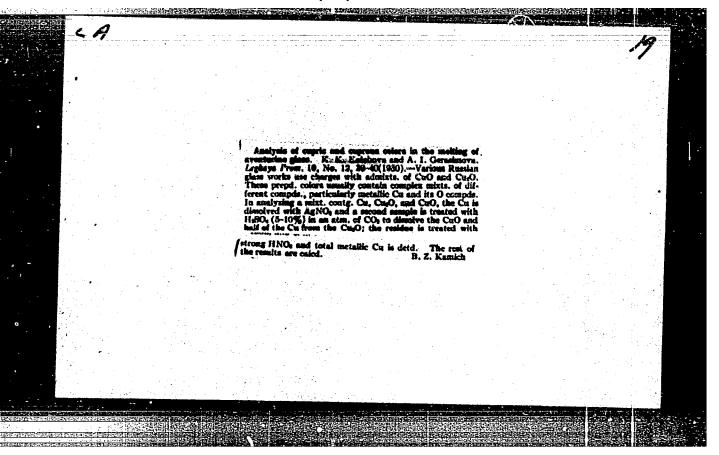
The Leningradskaya bumazhnaya fabrika 'Gosnak' (Leningrad Paper Factory 'Goznak') carried out, in conjunction with the Institut khimii silikatov AN SSSR (Institute for Silicate Chemistry, AS USSR), experiments on the use of organosilicon compounds in the paper industry. The paper should possess hydrophobic properties which prevent the soaking in of ink. Organosilicon compounds do not show the same disadvantages as colophony (which is generally used for this purpose). The authors used the substance MH-1 (MN-1) (which

Card 1/2

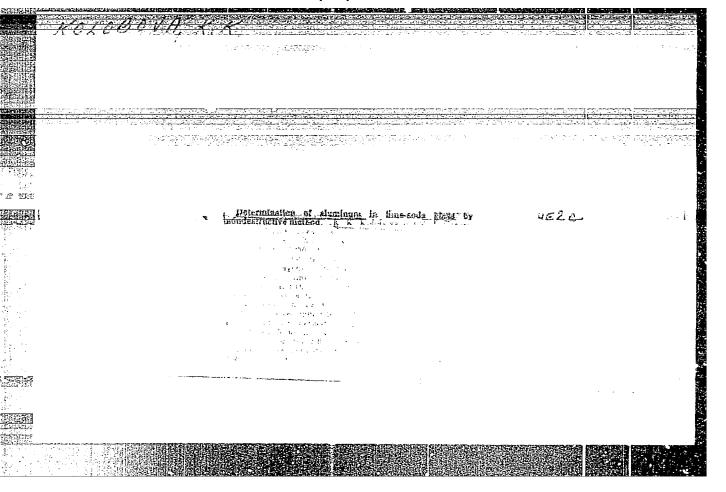
APPROVED FOR RELEASE: 09/18/2001

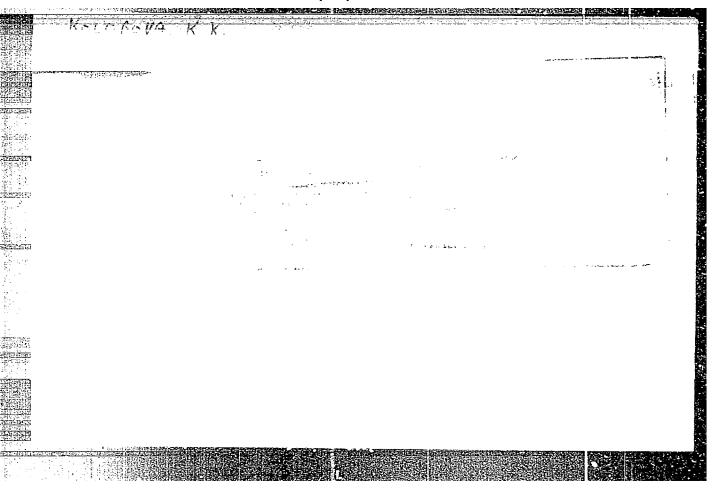


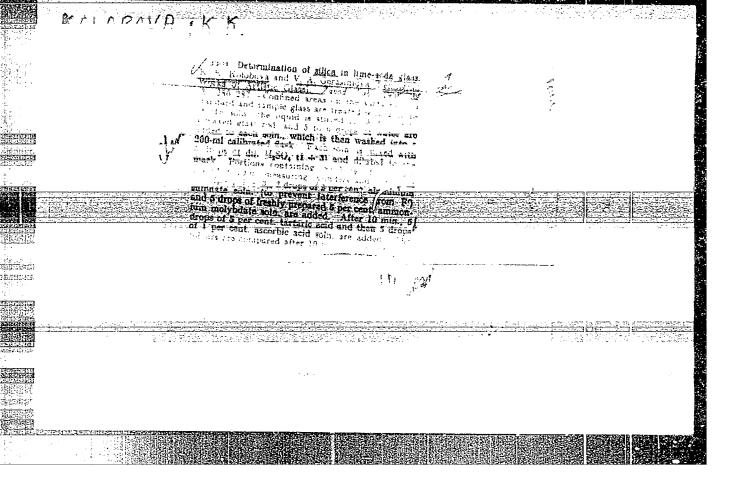




"APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823910010-7







# KOLODOVA, K.A.

USSR/ Analytical Chemistry - Analysis of Inorganic Substances

0-2

Abs Jour

: Referat Zhur - Khimiya, No 4, 1957, 12037

Author

: Kolobova K.K., Gerasimova V.A.

Title

: Colorimetric Method for the Datermination of Sodium

in Soda-Lime Glass without Taking a Weighed Sample

Orig Pub

Zavod. laboratoriya, 1956, 22, No 7, 794-795

Abstract

On the cleansed surface of a standard and of the glass sample being tested, within a specially provided paraffinenclosed area, are placed 2 drops of H<sub>2</sub>F<sub>2</sub> and allowed to remain there for 5 minutes while being stirred with a paraffin-coated glass rod. After 5 minutes into each of the paraffin enclosed areas are added 2 drops of water and the resulting solutions are transferred, by means of glass capillaries, into Pt crucibles. The paraffin enclosed areas are rinced 4-5 times with water, which is applied 1 drop at a time, and the washings are added to the previously obtained solutions. After this there is added to each

Card 1/3

KRYACHKOVA, T.N., mladshiy nauchnyy sotrudnik; KOLOBOVA, K.K., kand. khimicheskikh nauk

Rapid EDTA analysis for determining the content of calcium and magnesium in magnesites using hydrone 1. Trudy Inst. ogneup. no.29:185-190 '60. (MIRA 14:12)

(Acetic acid) (Magnesite-Analysis)

AUTHOR: Kolobova, K. K.; Yakovleva, V. S.

33 B

ORG: All-Unior Institute of Refractories

TITIE: Determination of the content of elemental silicon and SiO when both are present

SCURCE: Ognoupory, no. 2, 1966, 56-58

TOPIC TAGS: silicon, silicon oxide, carborundum refractory

ABSTRACT: Several methods were tested in an effort to develop the best technique for determining elemental silicon (Si<sub>el</sub>) and SiO when they are present together. Synthetic mixtures of SiO and Si<sub>el</sub> were analyzed by dissolving in hydrofluoric acid. A method employed by the East-German plant of Dresden Reich for determining Si<sub>el</sub> in electrolytically produced corundum was modified and found to be fully applicable to the analysis in question. It is carried out on two weighed samples: (1) the total percent content of Si<sub>el</sub> and SiO is determined in terms of Si, and (2) Si<sub>el</sub> is determined after treatment of the sample with acid. The method assumes particular importance in connection with the expansion of the industrial production of carborundum refractories. Sit is applicable to the analysis of the latter if they do not contain metallic aluminum or iron silicides. Orig. art. has: 1 figure and 2 tables.

SUB CODE: 07, 11/ SUEM DATE: none/ ORIG REF: 002/ OTH REF: 003

NEMNONOV, S.A.; TRAPEZNIKOV, V.A.; KOLOBOVA, K.M.

I-ray spectroscopic investigation of iron-molybdenum and iron-aluminum alloys. Issl. po sharopr. splay. 3:279-291 '58. (MIRA 11:11)

(Iron-aluminum alloys--Metallography)

(Iron-aluminum alloys--Metallography) (X-ray spectroscopy)

SOV/126-6-1-30/33 Nemnonov, S. A. and Kolobova, K. M. AUTHC 2S: On the Character of Interatomic Bonds in Iron-Aluminium Alloys (K voprosu o kharaktere mezhatomnykh sil svyazi TITLE: v zhelezoalyuminiyevykh splavakh)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, Nr 1, pp 183-185 (USSR)

ABSTRACT: In an earlier work (Ref. 1) the authors analysed data indicating a lowering of the value of the asymmetry index of certain spectrum lines of iron as a function of the concentration the valency of the non-transient element (aluminium and zinc) entering in an iron-base alloy and the conclusion was arrived at that a part of the electrons of the most external atoms of aluminium or zinc entering into the electron group of the crystal can penetrate into the 3dband of the iron atoms and reduce there the number of non-compensated spin electrons which bring about the of the spectrum line and the magnitude asymmetry index  $K_{\alpha_1}$ 

of the average atomic magnetic moment of the alloy. Therefrom the assumption was expressed that in ironaluminium alloys, in addition to a metallic bond, an

Card 1/2

On the Character of Interatomic Bonds in Iron-Aluminium Alloys SOV/126-6-1-30/33

ionic component of the interatomic interaction exists, the importance of which should increase with increasing aluminium concentration. In this paper the authors investigated the fine structure of the K-absorption spectra of iron in iron-aluminium alloys of the same composition (9.9, 17, 25, 50 and 75 at.% aluminium) and the same heat treatment as in the above mentioned paper. The absorption spectra of the iron were obtained at room temperature of the absorbing element; the linear dispersion amounted to 2.5 XH/mm. Sharply pronounced absorption maxima were observed in some alloys which is absorption maxima were observed in some alloys which is characteristic indication of the presence of ionic bonds. There are 2 figures, 1 table and 12 references, 5 of which are Soviet, 4 English, 3 German.

ASSOCIATION: Institut fiziki metallov Ural'skogo filiala AN SSSR

(Institute of Metal Physics, Ural Branch, Ac.Sc. USSR) SUBMITTED: August 5, 1957

1. Aluminum-iron alloys--Atomic structure 2. Aluminum-iron Card 2/2 3. Aluminum-iron alloys--Spectra

SENIOR PROPERTY OF THE PROPERT

AUTHORS: Nemnonov, S.A. and Kolobova, K. H. SOV/126-6-3-11/32

The Relations between Certain Magnetic and X-ray TITLE:

Characteristics of Iron-base Alloys (O vzaimosvyazi nekotorykh rentgenospektral nykh i magnitnykh kharakteristik splavov na osnove zheleza)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, Nr 3, pp 466-474 (USSR)

ABSTRACT: The discussion relates to the line shapes of the  $K_{\alpha_1}$ lines, which show maximal asymmetry at Fe (caused by 3d-2p interaction), but no splitting (the same applies to Ka, ). The line asymmetry and magnetic moment of the

divalent ion run parallel in the elements around Fe (Fig.1). Only Fe-Al and Fe-Zn alloys are used (10, 18, 25, 50 and 75 at.% Al; 28, 50 and 75 at.% Zn), with armco iron. The Al-Fe alloys were homogenized at 850-900 C for 25-30 hours (after preparation by vacuum fusion); the Zn-Fe were prepared by diffusing the Zn under vacuum into Fe foil at 670-680 C over thirty hours, followed by holding at 700-750 C for 12-15 hours. The lines were excited either by direct electron bombardment, or in

Card 1/3 fluorescence, and examined on a bent-crystal spectrogram

distribution of Europe Assessment Constitution

The Relations between Certain Magnetic and X-ray Characteristics of Iron-base Alloys

of dispersion about 3 kX/mm. Tables 1 and 2 give the experimental and calculated line asymmetries, which agree well. Fig.2 shows these results, plus some on alloys with Mo (abscissa at.% alloying element). The results are considered to indicate a partial rearrangement of the 3d shell in the Fe, but the nature of the interatomic bonds is neglected. The effects to be expected in the two-phase regions of composition are considered, and shown to be it. (within the rather large experimental errors) in the results presented for Zn-Fe, though the effects are rather complicated. Figs. 3 and 4 compare the variations of Bohr magneton number with content of alloying element for Ni and Fe respectively (the Ni results are from references (10 and (11)); Snyder's explanation (Ref.3) is in general confirmed.

Card 2/3

The Relations between Certain Magnetic and X-ray Characteristics of Iron-base Alloys

There are 4 figures, 2 tables and 12 references, 6 of which are Soviet, 6 English.

ASSOCIATION: Institut fiziki metallov Ural'skogo filiala AN SSSR (Institute of Metal Physics, Ural Branch of the Ac.Sc., USSR)

SUBMITTED: January 24, 1957

1. Iron alloys—X-ray analysis 2. Electron bombardment—Applications 3. Iron alloys—Magnetic properties

Card 3/3

18.9000

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sov/126-8-3-33/33

**AUTHORS:** 

Nemnonov, S.A. and Kolobova, K.M.

TITLE:

X-Ray K-Spectrum of Iron Absorption at the Temperature

of Liquid Nitrogen

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 3, pp 478-480 (USSR)

ABSTRACT:

The authors have carried out an investigation of the K-spectrum of pure iron absorption at two temperatures, +20 and -180°C. The specially constructed container for liquid nitrogen had a common vacuum with a spectrograph. The temperature of the absorbent was determined by means of a copper-constantan thermocouple welded to the absorption apparatus and corresponded to -180°C. spectra were photographed in a first-order reflection of the crystallographic quartz plane  $(13\overline{40})$ . dispersion in the region under consideration was 2.5 XE/mm. In Fig 1, K-region curves of iron absorption obtained at +20 and -180°C are shown. Microphotograms of these regions, registered in an MF-4 instrument, are shown in Fig 2. All spectra were obtained from one and the same absorbent. The table (p 480) shows the ratios between fluctuation amplitudes. The authors assume that

Card 1/2

\$/520/59/000/022/006/021 E193/483

AUTHOR:

Kolobova, K.M.

TITLE:

The Effect of Silicon Concentration in Tron-Silicon Alloys on the Magnitude of the Index of Asymmetry of

the Iron  $K_{\alpha 1, 2}$  - lines

PERIODICAL: Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk.

Institut fiziki metallov. Trudy, No.22, 1959, pp.51-54

TEXT: Unalloyed iron and five Fe-Si alloys, containing 9, 17, 25, 50 and 70 at.% Si, were used in the present investigation. The alloys were prepared from Armco iron and metallic silicon by melting in a vacuum induction furnace at the laboratoriya pretsizionnykh splavov Instituta fiziki metallov AN SSSR (Precision Alloys Laboratory, Institute of Physics of Metals, AS USSR). After a homogenizing treatment (20 to 25 h at 700 to 800°C), targets in the form of discs (1 to 1.5 mm thick) were cut from the ingots of iron and alloys with the silicon content \$\left(50\) at.%. The ingots of the Si-rich alloys (50 and 70 at.% Si) were pulverized, and the targets were prepared by the powder metallurgy technique. All targets were then annealed for 2 h at 700 to 800°C, after which they were used to obtain X-ray emission spectra, Card 1/4

The Effect of Silicon ...

S/520/59/000/022/006/021 E193/E483

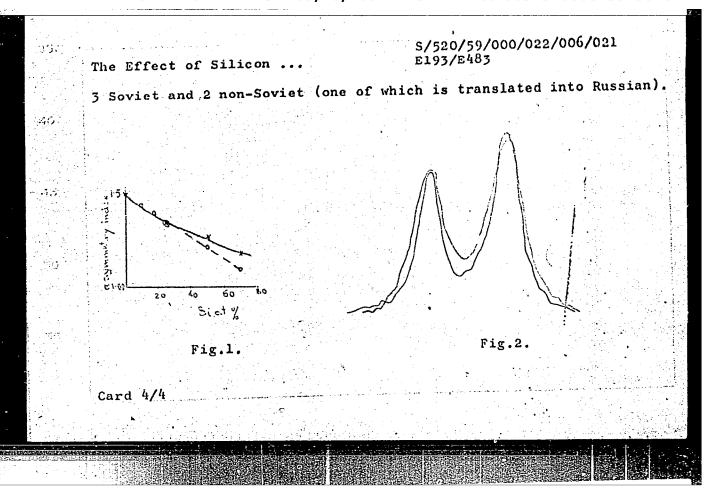
photographed with the aid of a bent quartz crystal spectrometer. Microphoto-measurements of the obtained spectrograms were carried out visually with the aid of photometers  $M\overline{\Phi}$ -2 (MF-2) and  $M\Phi^{-4}$  (MF-4). The asymmetry index and the width of the  $K_{\alpha 1,2}$ lines were determined in the following manner: (1) the parallelism of the  $K_{\alpha 1,2}$  - lines on the spectrometer of a given photometer target was checked; (2) the values, characterizing the width and asymmetry of the  $K_{\alpha 1,2}$ -lines, were determined by the difference between two readings of the Vernier of the micrometer screw, moving the photometer carriage on which the spectrogram was mounted; the width of the  $K_{\alpha 1}$ -line was measured at the level of blackening which corresponded to the level of blackening of the peak of the Ka2-line; measurement of the width of the Ka2-line was carried out at that blackening level which, when converted with the aid of the sensitometer-curve, corresponded to half of the maximum intensity of this line. Measurements of the asymmetry index of the  $K_{\alpha 1,2}$  -lines were carried out in a similar manner, except that in this case the long-wave segment/short-wave segment ratio was determined, the widths of the segments having been measured at the level of blackening of the peak of the Card 2/4

S/520/59/000/022/006/021 E193/E483

The Effect of Silicon ...

 $K_{\alpha 2}$  - line, and at the level of maximum blackening of the line studied. Analysis of the experimental results showed that (1) the magnitude of the asymmetry index of the  $K_{\alpha 1,2}$  - lines of the alloys studied decreases with increasing Si-content; (2) the relative width of the lines also decreases with increasing Si-content; (3) the inter-doublet spacing remains practically Some of the results obtained constant for all the alloys studied. are reproduced in Fig.1, where the asymmetry index of the  $K_{\alpha l}$  - line is plotted against the Si-content (at.%) of the alloys (points indicated by circles having been calculated from a formula derived by S.A.Nemnonov and K.M.Kolobova (Ref.3) ) and in Fig.2, which shows the microphotograph of the profiles of the  $K_{\alpha 1,2}$ -lines of iron in unalloyed specimen (upper curve) and in the 70 at. % Si-Fe alloy (lower curve). It was concluded that the results of the present investigation have confirmed the hypothesis put forward by other workers (Refs. 2, 3, 4) according to whom the basic cause of asymmetry of the  $K_{\alpha 1,2}$ -lines of the transition elements of the Fe group is the presence of uncompensated 3d-electrons in atoms of these elements. There are 2 figures, 1 table and 5 references:

4.3



S/126/60/009/02/014/033

AUTHORS: Nemnonov, S.A., Finkel'shteyn, L.D. and Kolobova, K.M.

TITLE: X-ray Diffraction and X-ray Spectroscopic Investigation of Interatomic Bonding Forces in Iron-aluminium Alloys

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 2,

pp 243 - 247 (USSR)

ABSTRACT: Two of the authors (Refs 3,4) have studied iron-

aluminium alloys (9-75 at.% Al) by X-ray spectroscopic methods, They concluded that in the interaction of iron and aluminium atoms iron is electronegative with respect to aluminium. Further information on atomic interaction has been obtained by neutron-diffraction measurements of atomic magnetic moments (Ref 5). According to other works (Ref 6) in alloys with less than 25 at.% Al a

closest order of the Fe3Al type exists. The concentration

redistribution of aluminium would appear to be the physical nature of the K-state in the given alloys. The Debye temperature and associated values are sensitive to the presence of the K-state and the authors therefore studied

Card 1/3

S/126/60/009/02/014/033

X-ray Diffraction and X-ray Spectroscopic Investigation of Interatomic Bonding Forces in Iron-aluminium Alloys

their variations in iron-aluminium alloys (2, 4, 10, 17, 25 and 50 at.% Al), previously homogenized at 800 °C and annealed at temperatures under 550 °C (heat treatment details and results are tabulated). Published (Ref 8) methods were used. A parallel study was also made of the ratio of the amplitudes of fluctuation of the coefficient of absorption of the fine structure of the K-region of iron absorption (Figure 1 shows the general form of K-region iron-absorption). Figure 2 shows the ratio and the Debye temperature as functions of aluminium content (0-25 at.% A1), while in Figure 3 K-region characteristics are similarly plotted (0-50 at.% A1). In work by two of the authors (Nemnonov and Kolobova) being published the sensitivity was noted of one of these characteristics, the energy interval between points corresponding to 3/4 and 1/4 of the height of the initial absorption range, to temperature (thermal oscillation). The reduction in its value towards 17 at. % Al in Figure therefore confirms the indications of Figure 2 of

Card 2/3

s/126/60/009/02/014/033

X-ray Diffraction and X-ray Spectroscopic Investigation of Interatomic Bonding Forces in Iron-aluminium Alloys

increasing strength of interatomic bonds in iron-aluminium

There are 3 figures, 1 table and 12 references, 9 of which are Soviet, 2 English and 1 German.

ASSOCIATION: Institut fiziki metallov AN SSSR (Institute of Physics of Metals of the Ac.Sc., USSR)

SUBMITTED: June.12, 1959

Card 3/3



# 5/126/62/014/004/008/017 E111/E160

**AUTHORS:** 

Nemnonov, S.A., Sorokina, M.F., Men'shikov, A.Z.,

Kolobova, K.M., and Finkel'shteyn, L.D.

TITLE:

The character of the atomic interactions in the intermetallic compounds of the transition elements

aluminium and silicon

PERIODICAL: Fizika metallov i metallovedeniye, v.14, no.4, 1962,

535-541

A combination of the crystallochemical and X-ray spectroscopic characteristics of the compounds examined with their physicochemical properties, enables one to assert that the character of the interatomic bonding forces in these compounds (Fe3Al, NiAl3, FeSi, CrSi, CrAl7, MnAl6, FeAl3, Co2Al9, CuAl2, etc) is extremely complicated. The structural characteristics, the X-ray emission data and the magnetic properties show the presence, on a background of the predominantly metallic interaction, of certain localised bonds between different kinds of atoms, in which the 3d electrons of the transition metal actively participate. Card 1/2

5/126/62/014/005/003/015 E111/E435

**AUTHORS:** 

Nemnonov, S.A., Sorokina, M.F., Kolobova, K.M.,

Men'shikov, A.Z.

Investigation of the structure of absorption K-spectra TITLE:

of transition metals in intermetallic compounds with

aluminium and silicon

PERIODICAL: Fizika metallov i metallovedeniye, v.14, no.5, 1962, 666-672

The K-edge of absorption has been studied of Cr-Al, Mn-Al, Fe-Al, Ni-Al, Cr-Si, Mn-Si, Fe-Si and Ni-Si alloys for ranges of concentration which included almost all the intermetallic compounds in these systems. For all the compounds investigated the "initial" (i.e. long wave-length) absorption remained fairly With increasing large and of the same order as in the pure metal. concentration of the transition component the break between the initial and the next intermediate region was smoothed.

energy position of the point corresponding to the Fermi boundary, mostly romained unchanged in most cases. The maximum which is characteristic of the pure transition metal was smoothed at a certain concentration of the second component, a new maximum

Card 1/2

CIA-RDP86-00513R0008239

NEMNONOV, S.A.; SOROKINA, M.F.; KOLOBOVA, K.M.; HEN'SHIKOV, A.Z.

Investigating the structure of K-absorption spectra of transition metals in intermetallic compounds with aluminum and silicon. Fiz.met.i metalloved. 14 no.5:666-672 N '62.

1. Institut fisiki metallov AN SSSR.

(Intermetallic compounds)(Absorption spectra)

NEMNONOV, S. A.; SORGKINA, M. F.; MEN'SHIKOV, A. Z.; KOLOBOVA, K. M.; FINKEL'SHTEYN, L. D.

Interatomic interaction in intermetallic compounds with transition metal aluminum, and transition metal silkeon. Fiz. met. i metallowed. 14 no.4:535-541 0 62. (MIRA 15:10)

1. Institut fiziki metallov AN SSSR.

(Intermetallic compounds—Magnetic properties)
(X-Ray spectroscopy)

NEMNONOV, S.A.; KOLOBOVA, K.M.

Character of interatomic interactions and the state of internal iron atom electrons in silicides. Fiz.met.i metalloved. 14 no.6:8744879 D '62. (MIRA 16:2)

1. Institut fiziki metallov AN SSSR. (Iron silicide) (Electrons)

(X-ray spectroscopy)

NEMNONOV, S.A.; KOLOBOVA, K.M. Absorption spectra of manganese and iron in alloys and compounds of Al, Si, P, S, and Cl. Izv.AN SSR.Ser.fiz. 27 no.3:390-393 Mr. \*63. (MIRA 16:12)

1. Institut fisiki metallov AN SSSR. (Manganese-iron alloys)

(I-ray absorption)

(MIRA 16:2)

CIA-RDP86-00513R000823910010-7" APPROVED FOR RELEASE: 09/18/2001

ACCESSION NR: AP5018920	UR/0363/65/001/006/0877/0879 16.282-31:539.26
Gusatinskiy, A. N.; Kolo	bova, K. M.; Mikhaylov, N. S.; Nemnonov, S. A.
	he detection of silicon monoxide
TROE: AN SSSR. Izvestiya. Neor	rganicheskiye macerialv, v. 1, no. 6, 1965,
silicon oxide, x-ray	fluorescence
BSTRACT: SiO was obtained from a	a compacted equimolar mixture of powdered of
BSTRACT: SiO was obtained from a	a compacted equimolar mixture of powdered Si

ACCESSION NR: AP5018920

equiprobable. The study shows the usefulness of the x-ray spectral method in the identification of the compound SiO and approximate determination of the more sensitive than the x-ray structural method was the determination of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the more sensitive than the x-ray structural method was the interview of the x-ray spectral method was the interview of the x-ray spectral method in degree of the x-ray spectral method in

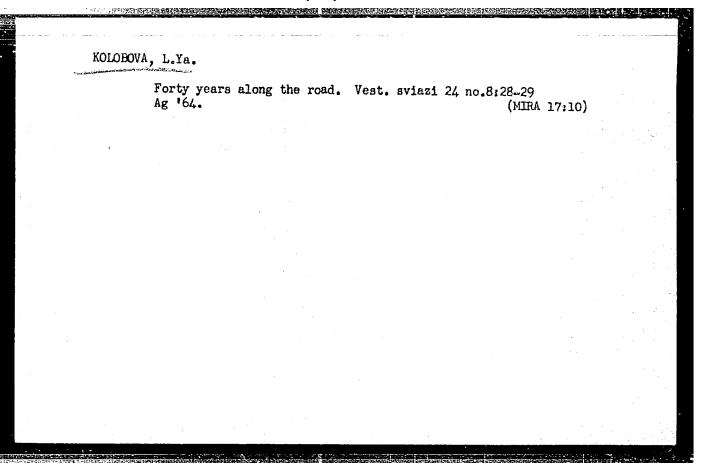
KHEYFITS, L.B.; KOLOBOVA, L.V.; FALEVSKAYA, Ye.A.; OTSING, A.D.

Epidemiology and clinical picture of Breslau salmonellosis.

Sov.med. 23 no.7:97-102 J1 '59. (MIRA 12:11)

1. Is Arkhangel'skogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny (dir. M.Ya.Alfer'yeva) i Arkhangel'skoy gorodskoy infektsionnoy bol'nitsy (glavnyy vrach A.V.Kottsova).

(SALMONELLA INFECTIONS)



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BURYKH, Ye.B.; D'YAKONOV, M.V.; KCLOBOVA, M.I., [decessed]; KCLOBOV, V.M.;
KONOVALOVA, K.A.; POPATEYKIN, V.I.; SKOTNIKOV, Yu.A.; TIKHONOVICH,
S.S.; SHEPOVALOV, T.I. Prinimali uchastiye YUN'YEVA, N.P.;
POLYAK, Ye.V.: SULTANOVA, N., red.; YAKOVLEVA, Ye., tekhn.red.

[Memorable places in Moscow Province; a concise guidebook] Pamiatnye mesta Moskovskoi oblasti; kratkii putevoditel. Isd.3., dop. i perer. Sost.E.B.Burykh i dr. Moskva, Mosk.rabochii, 1960. 734 p. (MIRA 14:2)

1. Moscow. Oblastnoy krayevedcheskiy muzey. 2. Zamestitel predsedatelya Moskovskogo oblastnogo obshchestva krayevedeniya (for Konovalova).

(Moscow Province -- Guidebooks)

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823910010-7"

KOLOBOVA, M. L.

KOLOBOVA, M. L. "Ukrainian Phosphorites, their Chemical Composition and Agrochemical Characteristics." Acad Sci Ukrainian SSR. Inst of Plant Physiology and Agrochemistry. Min Higher Education USSR. Belaya Tskerkov' Agricultural Inst. Belaya Tserkov', 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis', No. 19, 1956.

KOLOBOVA, M.V., inshener; TSYKIH, B.S., inshener.

Effect of the quality of pine log wood upon the grades of lumber materials. Les.prom.14 no.4:29-30 Ap '54. (MERA 7:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny. (Lumber--Grading) (Pine)

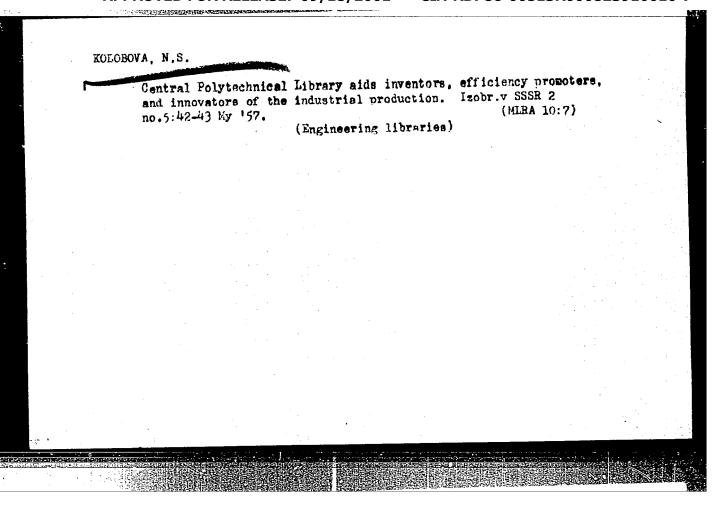
KOLOBOVA, M.V., inzh.; TSYKIN, B.S., inzh.

Output of clear pine lumber by sorts. Der. prom. 6 no.10:3-5.0 '57.

(MEA 10:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny.

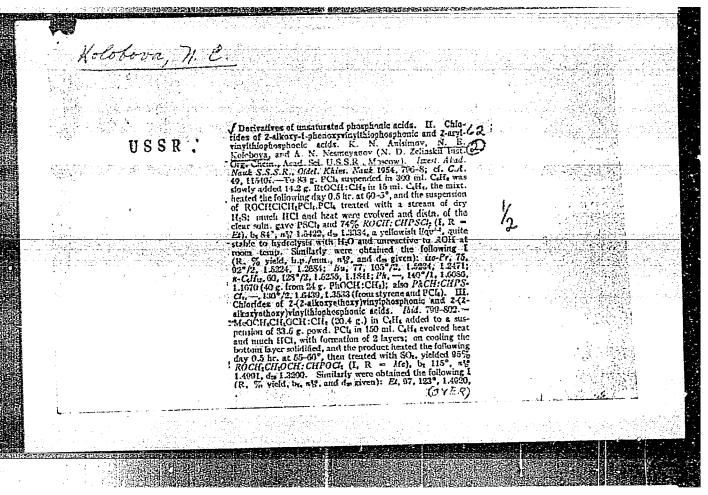
(Lumber)

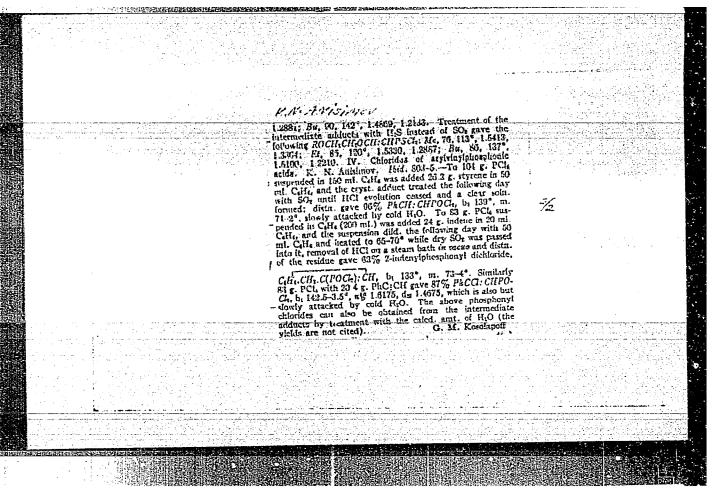


ANTROPOVA, N.A.; KOLOBOVA, N.V., red.; HLAGORAZUMOV, P.N., red.; TROFIMOVA, A.S., tekhn.red.

[Agroclimatic conditions of the Tatar A.S.S.R.] Agroklimaticheskie usloviia Tatarskoi ASSR. Kazen', Tatarskoe knizhnoe izd-vo, 1959. 203 p.

(Tatar A.S.S.R.--Crops and climate)





KOLOBOVA, N. E.; ANISIMOV, NESMEYANOV, A. N.

"3 Chlorides of arylvinylphosphonic Acids," Izvest Akad Nauk SSSR, Otdel Khim Nauk, 803-5 (1954).

N. D. Zelinskii Institute of Organic Chemistry of the Academy of Sciences, Moscow.

B-83602, 18 Mar 55

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823910010-7"

# KOLOBOVA, N. YE.

USER/ Chemistry - Organic chemistry

Card 1/1 Pub. 40 - 7/26

Authors

Title

: Anisimov, K. N.; Kolobova, N. Ye.; and Nesmeyanov, A. N.

: Derivatives of unsaturated phosphinic acids. Part 5. Esters of bata-othoryvinylphosphinic, beta-n-propoxyvinylphosphinic, beta-n-butoxyvinylphosphinic

and beta-n-hexyloxyvinylphosphinic acids.

Periodical : Izv. AN SSSR. Otd. khim. nauk 2, 240 - 248, Mar-Apr 1955

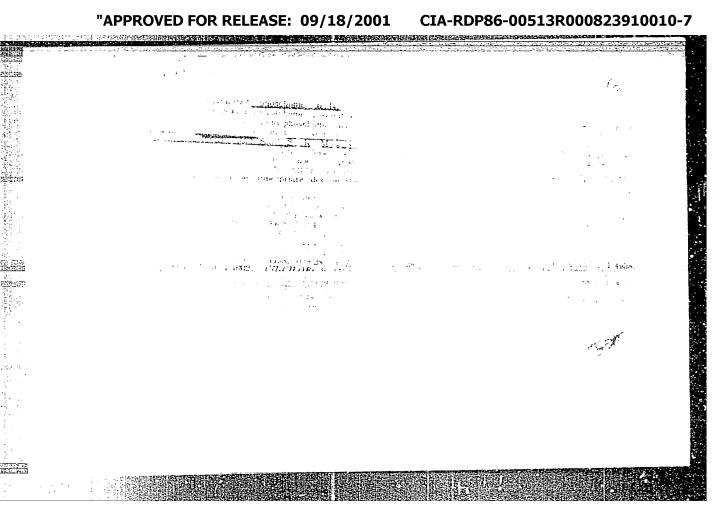
Abstract

t The characteristics of ethoxy, propoxy, butoxy and hexyloxy-vinyl hosphinic acid esters obtained during the reaction of alcohols with the dichloro anhydrides of these acids in the presence of pyridine are described. Data are also presented on the synthesis of methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, ellyl, n-hexyl, beta-methoxyethyl and beta-ethoxyethyl esters of the above rentioned acids. Thirteen references: 1 Polish and 12 USSR (1917-1954). Tables.

Institution: Acad. of Sc., USSR, Inst. of Organcelemental Compounds

June 11, 1954 Submitted

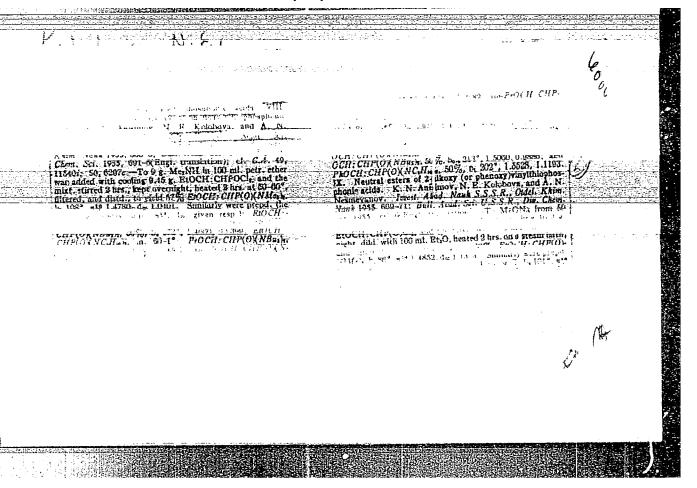
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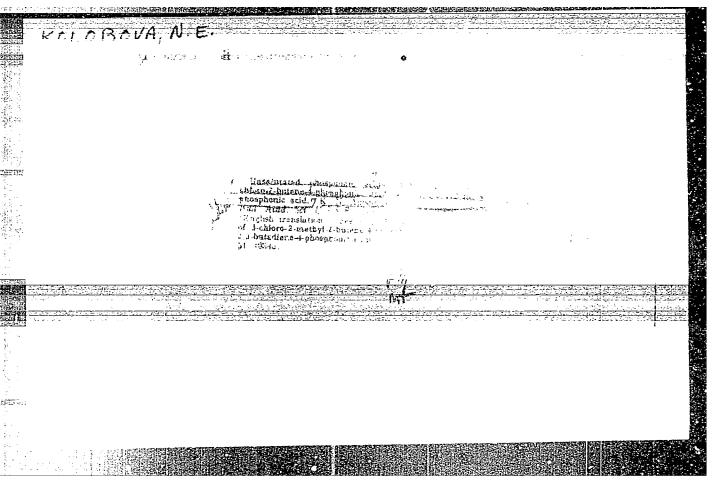


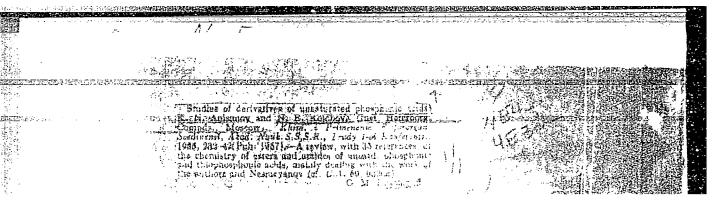
ANISIMOV, K.H.; KOLOBOVA, N.Ye.; NEEMEYANOV, A.H.

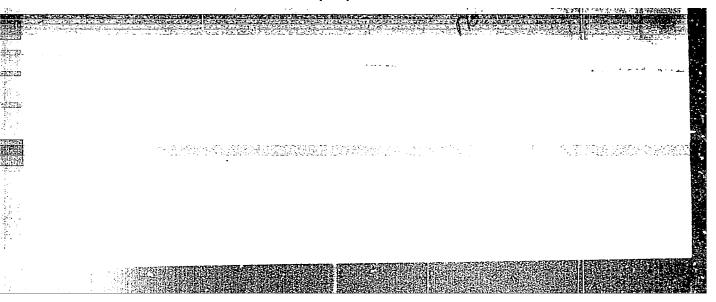
Research in the field of unsaturated phosphinic acids. Report no.7. Esters of (3-phenoxyvinylphosphinic acid. Izv.AN SSSR. Otd.khim.nauk no.3:432-434 My-Je '55. (MEA 8:9)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Phosphinic acid)









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ABISIMOV, K.M.; KOLOBOVA, M.Ye.; MESMEYAHOV, A.M.

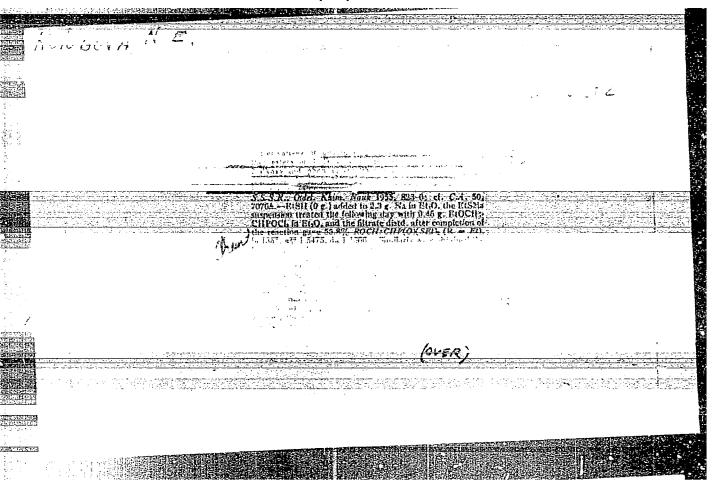
Research in the field of unsaturated phesphinic acids. Report ne.9.

Cemplete esters of p-alkex/(phemeny)vinylthicphesphinic acids.

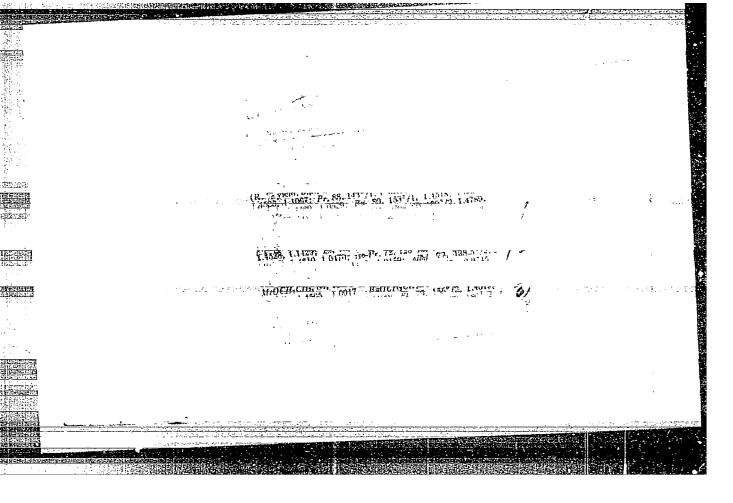
Inv.AB SSSR.Otd.khim.neuk ne.4:669-671 Jl-Ag '55. (MIRA 9:1)

1. Institut elementeerganicheskikh seyedimeniy Akademii neuk SSSR. (Phesphinic acids)

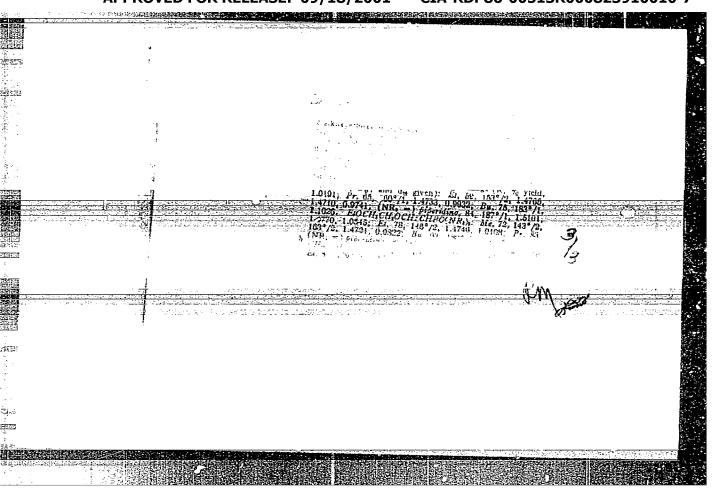
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Kolobova, N. Ye. ANISINOV, K.W. KOLOBOVA, H.Y.; HESHEYANOV, A.W.

Investigation into the unsaturated phosphinic acids. Part 11. The complete esters of p-alkexyethoxyvinylphosphinic acids.

Ixv.AN SSSR.Otd.khim.nsuk no.5:827-833 S-0 155. (MIRA 9:1)

1. Institut elementeerganicheskikh soyedineniy Akademii nauk SSSR. (Phesphinic acid)

AMISIMOV, K.H.; KOLOBOVA, M.Ye; MESMEYAHOV, A.M.

Investigation into the unsaturated phosphinic acids. Part 12.

The tetraalkyldiemides of the β-alkexyethexyvinylphosphinic acids. Ixv.AM SSSR.Otd.khim.nauk no.5:834-837 S-0 '55.

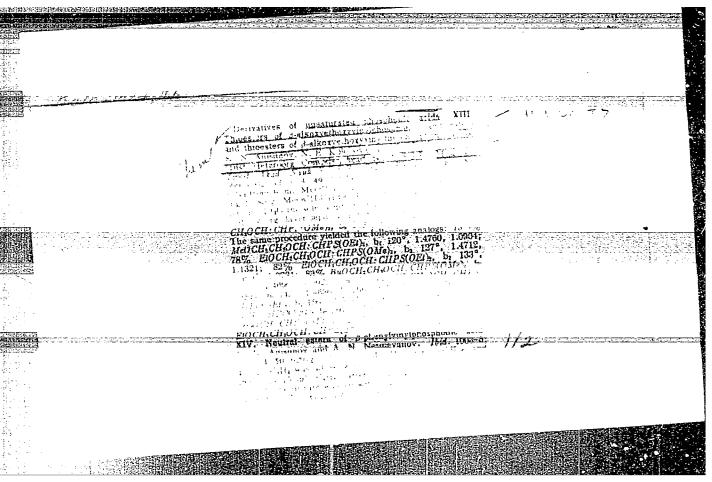
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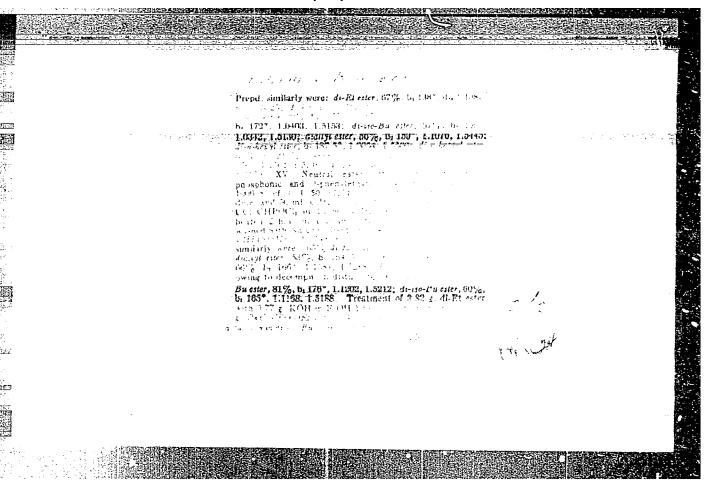
1. Institut elementeorganicheskikh soyedineniy Akademii nauk

(Phosphinic acid) (Amides)

SSSR.

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KOLOBOVAINY USSR/ Chemistry - Analytical chemistry Oard 1/1 Pub. 40 - 6/25 Anisimov, K. N.; Kolohova, N. Ye.; and Nesmeyanov, A. N. Authors Title study of unsaturated phosphinic acid derivatives. Part 18. Alkylthiovinylphosphinic acid chlorides and their derivatives Periodical ! Izv. AN SSSR. Otd. khim. nauk 1, 23-26, Jan 1956 Abstract \* The synthesis of acid chlorides of ethylthiovinylphosphinic, n-butylthiovinyl phosphinic, n-propyl, n-butyl, allyl, n-hexyl, beta-methoxyethyl, beta-ethoxyethyl esters of ethylthiovinylphosphinic acid, n-butyl, allyl and ahexyl esters of n-butylthiovinylphosphinic acid as well as dipiperidide of ethylthiovinylphosphinic acid is described. The chem. formulas of the derivatives and their physico-chemical properties are given in tables. Three references: 1 USSR, 1 Pol. and 1 Germ. (1896-1954). Tables. Institution: Acad. of Sc., USSR, Inst. of Elementoorganic Compounds Submitted : October 14, 1954

ANISIMOV, K.N.: KOLOBOVA, H.Ye.

Research in the field of unsaturated phosphinic acids. Part 19.

Baters of (3-chlorobutene-2)-4-phosphinic and (butadiene-2,3)-4-phosphinic acids. Isv.AN SSSR. Otd.khim.nauk no.8:923-926

Ag 156. (MIRA 9:10)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Phosphinic acid)